

Product and Applications Description

The binary output N 562 is a N-system DIN-rail mounted device. It has two outputs to switch on/off two separate groups of electric loads.

Each of the outputs can be assigned various tasks depending on the application program used, i.e. the binary output N 562 consists of the device (hard-ware) and its application programs (software).

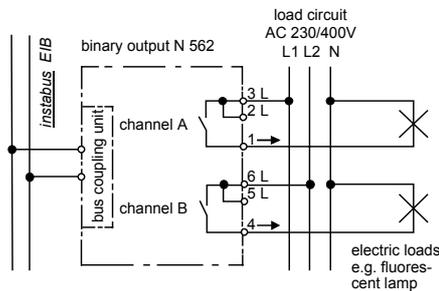
Appropriate application programs are available for the different tasks the binary output N 562 can handle; e.g. for direct on/off switching, time switch (non-delayed on, delayed off), delayed on/off switching or for controlling electrothermal actuators.

With the ETS (EIB Tool Software) the application program is selected, its parameters and addresses are assigned appropriately, and downloaded to the binary output N 562.

Additional Informations

<http://www.siemens.de/gamma>

Example of Operation



Technical Specifications

Power supply
via bus line

Outputs

- number: 2 outputs (voltage free contacts)
- rated voltage: AC 230 V, 47 ... 63 Hz
- rated current: 10 A resistive load
- switching current at AC 230 V: 0,01 ... 10 A resistive load
- switching current at DC 24 V:
 - 10 A resistive load,
 - 4 A inductive load (L/R = 7 ms)
- switching characteristic: set in parameter list according to application program

Switching power at AC 230 V

- at incandescent lamp load: max. 1000 W
- at fluorescent lamp (FL) load:
 - uncorrected FL, $\cos \phi = 0,5$: max. 500 W
 - parallel corrected FL, $\cos \phi = 1$ (at $C_{tot} \leq 14 \mu F$): 2 x 58 W or 3 x 36 W or 6 x 18 W
 - twin-lamp circuit, $\cos \phi = 1$: max. 1000 W
 - Osram ECG for 58 W FL: max. 10 units
 - Osram ECG for 36 W FL: max. 15 units
 - Osram ECG for 18 W FL: max. 20 units

Connections

- load circuit, physical:
 - strip insulation for 9 ... 10 mm
 - permissible conductor types/cross sections:
 - 0,5 ... 2,5 mm² single core or flexible conductor, 8 mm ultrasonically compacted
 - 0,5 ... 2,5 mm² flexible conductor with terminal pin, crimped on gas tight
 - 0,5 ... 1,5 mm² flexible conductor with connector sleeve
 - 1,0 and 1,5 mm² plain flexible conductor
- load circuit, electrical:
 - plain flexible conductor, min. 1 mm²: current carrying capacity max. 6 A
 - all other conductors, min. 1,5 mm²: current carrying capacity max. 10 A
 - the load circuits have to be saved by a circuit breaker with A or B characteristic with a maximum nominal current of 10 A!

WARNING

When looping through the L-conductor (connection blocks 3 and 2, 6 and 5), take care that the maximum connection current of 10 A (as governed by the maximum permissible printed conductor load) is not exceeded!

- bus line:
 - pressure contacts on data rail

Physical specifications

- N-system DIN-rail mounted device, width: 2 SUs (1SU = 18mm)
- weight: approx. 160 g

Electrical safety

- protection (according to EN 60529): IP 20

Environmental specifications

- ambient temperature operating: - 5 ... + 45 °C
- ambient temperature non-op.: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Location and Function of the Display and Operator Elements

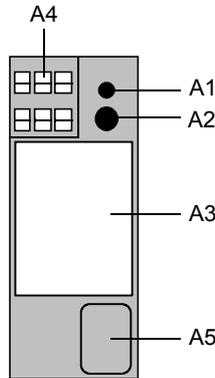


Figure 1: Location of the display and operator elements

- A1 LED for indicating normal operating mode (LED off) and addressing mode (LED on); upon receiving the physical address the device automatically returns to normal operating mode
- A2 Learning button for switching between normal operating mode and addressing mode and for receiving the physical address.
- A3 Type plate
- A4 Screwless plug-in terminals for connecting load circuits
- A5 Label for noting the physical address

Mounting and Wiring

- The device may be used for permanent interior installations in dry locations within distribution boards or small casings with DIN rail EN 60715-TH35-7,5.

WARNING

- The device may be built into distribution boards (230/400V) together only with appropriate VDE-devices.
- The device must be mounted and commissioned by an authorised electrician.
- A safety disconnection of the device must be possible. Especially if the device is connected to different phases.
- Free DIN rail areas with sticked-in data rails must be covered with covers, order no. 5WG1 192-8AA01.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered

General Notes

- Any faulty devices should be returned to the local Siemens office.
- If you have further questions about the product, please contact our Technical Support:

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